

Converting Colors

$Y_{xy}(29.6112, 0.1647, 0.2280)$

Have a look what the booklet for
Yxy(29.6112, 0.1647, 0.2280)
contains.

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Color

Yxy(32.9296, 0.1988, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	00A6E5
RGB	0, 166, 229
RGB Percent	0%, 65%, 90%
CMY	1.0000, 0.3490, 0.1020
CMYK	1.00, 0.28, 0.00, 0.10
HSL	197°, 100%, 45%
HSV	197°, 100%, 90%
XYZ	27.7743, 32.9296, 79.0059
YIQ	123.5480, -119.1590, -15.5990

Conversions

Conversions Part 2

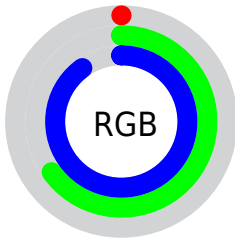
Format	Color
RYB	0, 96, 229
Decimal	42725
CIELab	64.10, -13.48, -41.61
CIELCh	64, 43.739, 252.051
Yxy	32.9296, 0.1988, 0.2357
Android (android.graphics.Color)	4278232805 (0xFF00A6E5)
YUV	123.5480, 51.9878, -108.3516
Hunter-Lab	57.3843, -14.0276, -41.4606

Details

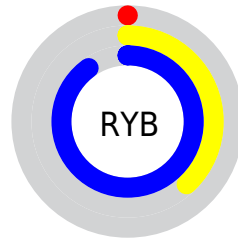
The Yxy color **32.9296, 0.1988, 0.2357** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.2066, 0.6044, 0.3583**, and the grayscale version is **19.8533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9971, 0.2310, 0.2873**, and **15.0518, 0.1928, 0.2140** is the 20% darker color. If you saturate the color by 10%, you get **32.9320, 0.1988, 0.2357**, and if you desaturate by 10%, it is **35.4590, 0.2032, 0.2459**.

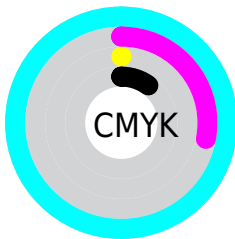
Distribution



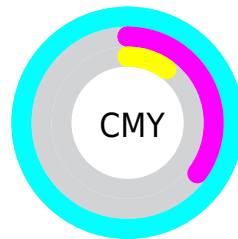
- Red (0%)
- Green (65%)
- Blue (90%)



- Red (0%)
- Yellow (38%)
- Blue (90%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (35%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9296, 0.1988, 0.2357 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.9296, 0.1988, 0.2357 by changing the saturation by 10% instead.


 32.9296, 0.1988,
0.2357


 32.9296, 0.1988,
0.2357


315.3324, 0.2554,
0.2841


 22.0725, 0.1853,
0.2235


 64.2656, 0.2190,
0.2534


 13.9102, 0.1684,
0.2080


 85.5133, 0.2267,
0.2601


 8.0582, 0.1471,
0.1878

 110.9934, 0.2333,
0.2657

 4.1322, 0.1198,
0.1608

 141.0901, 0.2390,
0.2704

 1.7478, 0.0849,
0.1242

 176.1880, 0.2439,
0.2746

 0.4543, 0.0156,
0.0689

216.6714, 0.2482,

 0.0000, 0.0000,

0.2781

0.0000

262.9248, 0.2520,
0.2813

■ 32.9296, 0.1988,
0.2357

■ 32.9296, 0.1988,
0.2357

■ 32.9320, 0.1988,
0.2357

■ 35.4590, 0.2032,
0.2459

■ 38.3138, 0.2094,
0.2563

■ 41.5666, 0.2176,
0.2668

■ 45.2584, 0.2277,
0.2771

■ 49.4241, 0.2395,
0.2871

■ 54.0943, 0.2527,
0.2968

■ 59.2964, 0.2670,
0.3058

■ 65.0558, 0.2819,
0.3143

■ 71.3959, 0.2973,
0.3220

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9296, 0.1938, 0.2743



32.9296, 0.1988, 0.2357



32.9296, 0.2297, 0.2235

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.9296, 0.1988, 0.2357



32.9296, 0.4169, 0.3090



32.9296, 0.3288, 0.4513

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.9296, 0.1988, 0.2357



20.2066, 0.6044, 0.3583

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.9296, 0.3924, 0.4474



32.9296, 0.1988, 0.2357



32.9296, 0.4482, 0.3601

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9296, 0.1988, 0.2357



32.9296, 0.3540, 0.2648



32.9296, 0.4374, 0.4102



32.9296, 0.2643, 0.4087

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.9296, 0.1988, 0.2357



32.9296, 0.2639, 0.2284



32.9296, 0.4374, 0.4102



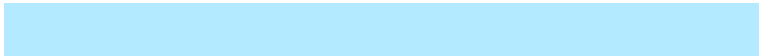
32.9296, 0.3510, 0.4550

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.9320, 0.1988, 0.2357



75.5683, 0.2667, 0.3057



56.3654, 0.2915, 0.5693



15.5548, 0.2606, 0.3019



0.0000, 0.0000, 0.0000



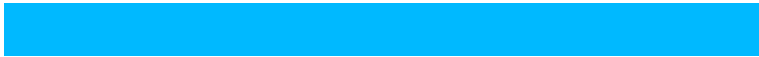
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9320, 0.1988, 0.2357



41.8652, 0.1987, 0.2351



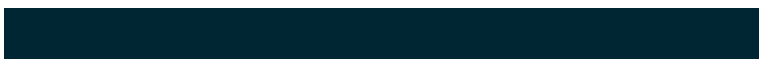
8.2415, 0.1566, 0.0836



15.6309, 0.2981, 0.3224



19.0437, 0.1993, 0.2373



1.5606, 0.2034, 0.2523

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.4083, 0.4067, 0.2014



24.7575, 0.4073, 0.2017



47.5299, 0.4684, 0.4663



14.5440, 0.3180, 0.3121



11.1202, 0.4051, 0.2005



0.8372, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 32.9296, 0.1988, 0.2357 looks on a white background.

Color Contrast Check

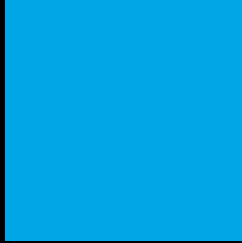
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.9296, 0.1988, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

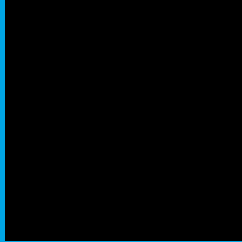
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9296, 0.1988, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 32.9296, 0.1988, 0.2357.



This preview shows how white text looks on a background with the Yxy color 32.9296, 0.1988, 0.2357.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

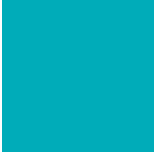
32.9296, 0.1988, 0.2357

Protanopia

32.5868, 0.2458, 0.2376

Deuteranopia

32.8593, 0.2287, 0.2228



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

32.9296, 0.1988, 0.2357

Protanomaly

31.3192, 0.2164, 0.2338

Deuteranomaly

31.7597, 0.2093, 0.2244

Tritanomaly

32.9665, 0.2108, 0.2789

Monochromacy



Original Color

32.9296, 0.1988, 0.2357

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.7361, 0.2394, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9296, 0.1988, 0.2357 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 166, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 166, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 229) }
```

Border

The CSS property to change the border of an element to Yxy 32.9296, 0.1988, 0.2357 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 166, 229) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 166, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 166, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9296, 0.1988, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 166,  
229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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